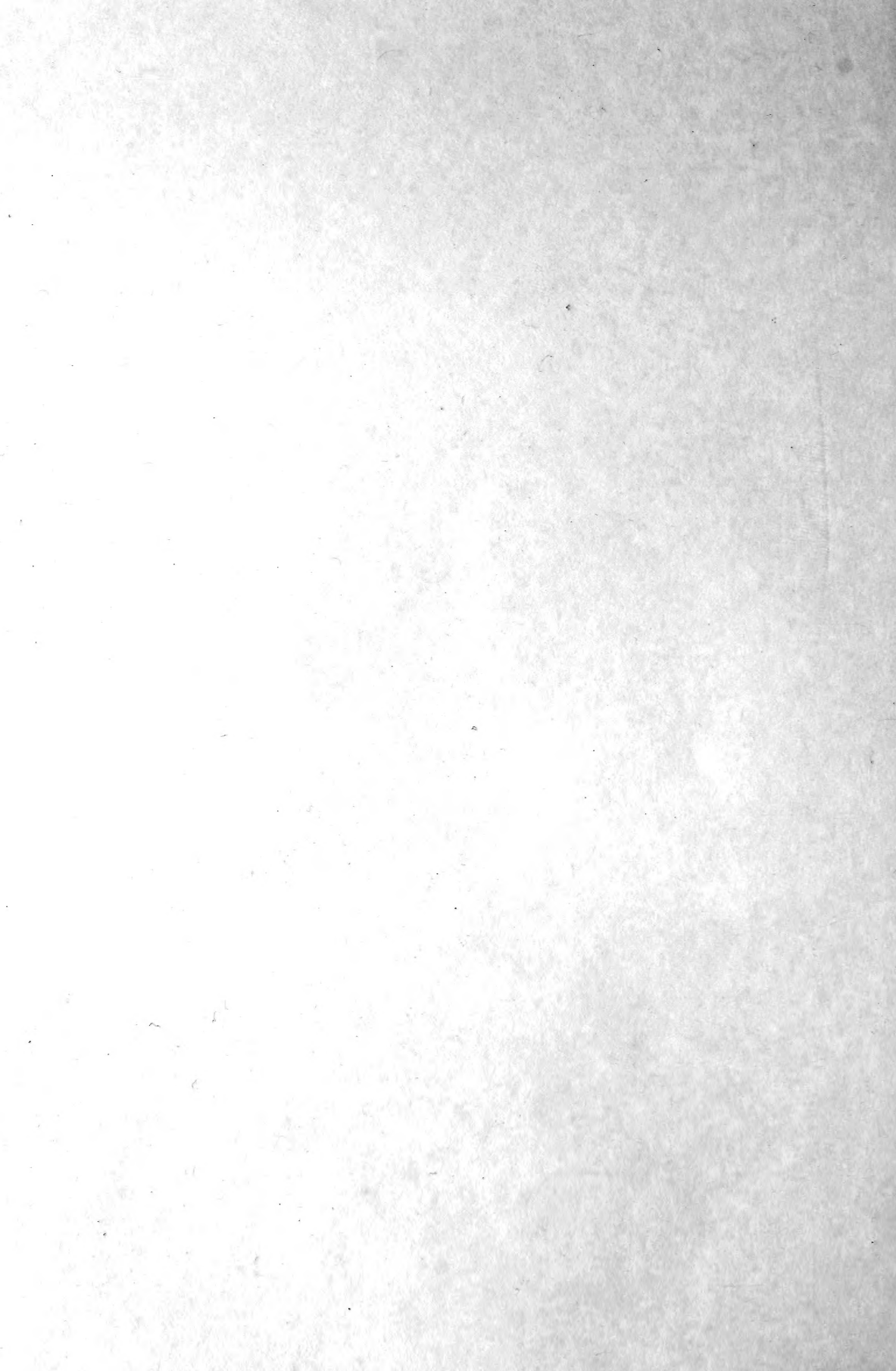
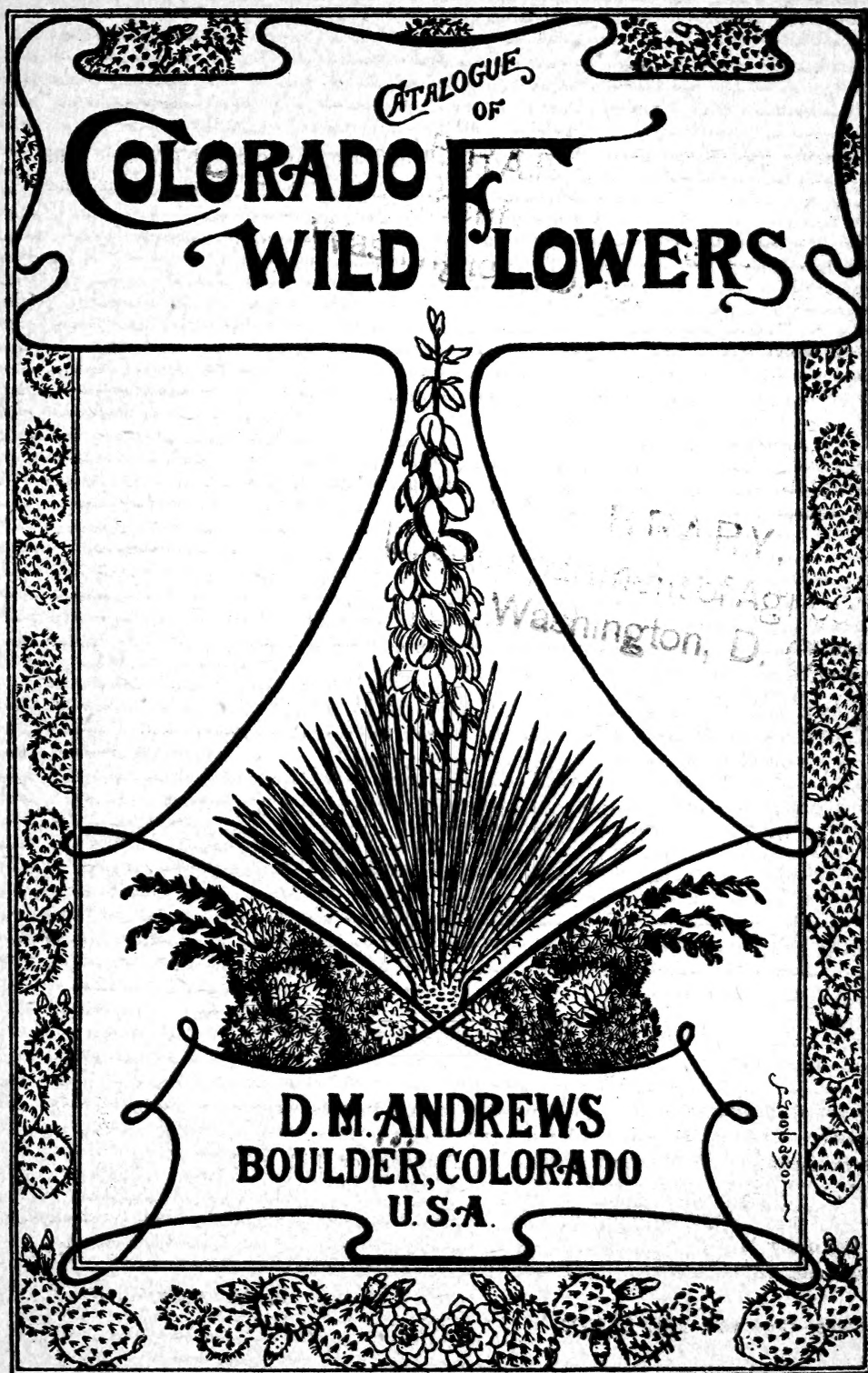


Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.





INTRODUCTION.

10

During the past year we have completed and are now occupying a new and commodious building made necessary by the rapid increase in our plant and seed business. With more room and with greatly improved facilities we hope to keep apace with the increasing demand for the Native Colorado Plants. To us it is a source of great satisfaction to learn that the Colorado plants are a success in nearly every case where they have been planted. Less than two weeks ago a letter arrived from a customer in New Zealand stating that some Hardy Cacti which had been received from here, had grown and bloomed. One is apt to forget that it is the same sunshine, the same water and the same general conditions of soil which affect all portions of the earth where plants grow. That variable element, called climate, has a close relation to the natural distribution of plants; yet, the majority of plants show remarkable powers of adaptation, and we may even suppose that many plants are survivors rather than choosers of their environment.

BUSINESS TERMS.

Our prices include boxes and packing; transportation is additional, except for seeds which will be sent postage prepaid to any part of the world. In view of the fact that our stock consists largely of novelties our prices will be found extremely low for the character and quality of the goods. We offer no premiums, nor discounts, believing that good stock at fair prices is the best basis for business. We always sell six plants at the same rate as one dozen.

PLANTS BY MAIL.

The mails offer the cheapest and quickest method of forwarding small lots of plants within the limits of the U S. The postage must be paid in advance and at an average is about ten per cent additional to price of the plants. If you send too much postage the excess will be returned, or extra plants sent. Large lots should be sent by express. Most of the shrubs and trees are too large for mailing and should go by express. Plants go by express at a special reduced rate, whether prepaid or not, and the receiver should make sure that he is not overcharged. Large lots of Cacti can go safely and usually more cheaply by freight. Always state plainly how you want plants shipped.

FOREIGN.

Postal packages to Europe are limited to 8 ounces which is practically prohibitive. Plants should be ordered early and sent by express. Send money by International Postal Order, payable at Boulder, or Bill of Exchange on New York.

It shall always be our endeavor to give each customer full value received, be the order large or small. If reason for complaint be found we urge a prompt statement, so that satisfactory adjustment can be made.

D. M. ANDREWS.

Boulder, Colorado, Feb. 1, 1902.

HARDY CACTI.

40

In popular opinion the Cactus family is inseparably associated with tropical conditions; the best known exception being that of the common prickly pear, *Opuntia vulgaris*, which is a native of the eastern states, and is reliably hardy as far north as Massachusetts. Some far more noteworthy exceptions, however, occur along the eastern slope of the Rocky Mountains, and upon the plains, in Colorado, Wyoming, Nebraska and Dakota. It is from this region then that we have brought together, after no small amount of research and exploration, the collection offered below. The hardiness of every one has been demonstrated by actual experiment in most of the more northern states, including Minnesota, Michigan, Pennsylvania, New York, Massachusetts, etc. They have been grown at Kew Gardens, England, for quite a number of years, without protection, and with most gratifying results. This change, from an arid climate to one of excessive moisture, makes a remarkable test of their adaptability and hardiness.

That which is unique or curious, or even grotesque appeals in a certain way to the majority of people. These plants present a delightful mingling of curious and fantastic forms, with flowers whose beauty and splendid colorings are not exceeded by any in our gardens. The fact that they will live and thrive in places so bleak, or so rocky and sterile, that nothing else can be induced to grow will place them in the class of indispensables. It is not necessary, however, to have such a forbidding spot in order to grow them as they will succeed almost anywhere with plenty of sunshine and good drainage. The sunny side of a wall or the rockery will do; or broken stones may be placed anywhere to form a slightly raised bed, with enough light soil scattered over to partly fill the crevices. Then the plants may be set in any desired arrangement and allowed to have their way without any attention whatever in the matter of cultivation, except to remove weeds. The *Yucca angustifolia*, and the various *Artemisias* may be used in the same bed to add variety and naturalness to the arrangement. If a sandy place, or a well drained slope be available no preparation will be needed.

The following clipping from page 390 of *The Rural New Yorker* of June 1, 1901, furnishes valuable indorsement from the distinguished editor of that publication, Dr. Walter Van Fleet:

"Many odd species of cacti are native to the arid slopes of the Rocky Mountains, and a dozen or more occur at considerable elevations, where the winter temperature often descends to 20 degrees below zero. D. M. Andrews, of Boulder, Colo., who publishes a most interesting catalogue of desirable native plants, sent the Rural Grounds a collection of seven species of hardy mountain cacti in April, 1900. They were planted, according to his advice, on a forbiddingly sterile slope; part of an old sandstone quarry, where the gravelly soil is too poor to grow *Pontentillas* or "five-fingers." There were five species of *Opuntia*, all of which are represented in the picture, Fig. 159. They soon started into growth and pro-

duced many large, brilliant yellow blooms during the summer, followed by showy crimson and purple fruits. They have endured the past trying winter with but trifling harm. Two species of hedgehog cactus, *Cactus viviparus* and *Echinocactus Simpsoni*, accompanied the *Opuntias*, and were planted at the same time and place. They also endured the winter without harm and are now, May 15, blooming brightly. *C. viviparus* has large brilliant purple flowers, and those of *E. Simpsoni* are shell pink. These cacti are apparently indifferent to dry cold, but often suffer from stem rot if water settles about them in winter. They do best on a dry slope or rockery, where the drainage is perfect at all times, and may be made very decorative."

DESCRIPTION OF VARIETIES OF HARDY CACTI.



In describing a group of plants having certain strong features in common, as is the case with the *Cactus* family, it is not easy in a mere description to point out by words those characters which distinguish one species or variety from all the others. Moreover, the individuals vary so much that it is perhaps the exception when one is found agreeing with the type in every particular. This is especially true of the *Opuntias*. We offer the following descriptions, therefore, believing them to set forth the specific distinctions as clearly as the difficulties of the case will allow.

CACTUS.

- C. MISSOURIENSIS. Star Cactus. Plant dwarf, blooming when very small, covered with elongated tubercles, each tipped with a star of gray spines. Flowers yellow or salmon, followed by scarlet berries. 10 cents each, \$1.00 per dozen.
- C. VIVIPARUS. Bird's Nest Cactus. Whole plant covered with purple and white spines. Flowers very large and showy, bright purple, plant extra hardy and a good bloomer. 20 cents each, \$2.00 per dozen.

ECHINOCACTUS.

- E. SIMPSONI. Hedgehog or Pincushion Cactus. Thickly covered with short, curved and interlacing spines, varying much in color even on the same plant; often very dark purplish brown, more commonly with grayish spines mingled with dark ones, rarely with all the spines gray, yellowish, or even snow white. All the forms are exceedingly beautiful, and have very handsome pink or rose colored flowers. Plants 1 1-2 to 2 inches in diameter, 10 cents each, \$1.00 per dozen; 2 to 3 inches, 15 cents, \$1.50 per dozen; 3 to 4 inches, 25 cents, \$2.50 per dozen; fine specimen pairs, triplets, clusters, etc., 25, 35 and 50 cents each, \$4.00 per dozen; a few extra fine large clumps \$1.00 each.
- E. SIMPSONI VAR. PERPETUAL SNOW. This is identical with the last, except that the spines are all pure glistening white, of a peculiar crystalline quality, and when the delicate rosy flowers appear, the plant is beautiful beyond description; very rare. Plants 2 to 3 inches in diameter 35 cents, \$3.50 per dozen; 3 to 4 inches, 50 cents, \$5.00 per dozen. Clumps can sometimes be furnished.
- E. SIMPSONI MINOR. Button Cactus. This is a flattened, less spiny form, from high altitudes, quite distinct in appearance, spines usually dark, flowers shell-pink. 25 cents each, \$2.00 per dozen. Supply uncertain, so please name a second choice in case it is unobtainable.

ECHINOCACTUS.

- E. VIRIDIFLORUS. Rainbow Cactus. Green Flowered C. Somewhat cylindrical in form, often clustered, a profuse bloomer, and especially pleasing on account of its brilliantly colored spines. These are arranged in more or less distinct bands of color and while they usually lie quite flat upon the surface of the plant, so the plant may be freely handled without difficulty, plants are occasionally found with the central spine of each cluster much elongated and standing out straight, giving the plant quite a ferocious aspect. Flowers green, yet very handsome, often nearly hiding the plant in their abundance. Owing to its extreme hardiness, and being showy and inexpensive the small sizes may be used for edging purposes, or for formal designs, etc. For this purpose we offer carefully selected plants, highly colored, 1 to 1 1-4 inches in diameter, at 50 cents per dozen, \$2.50 per hundred, or \$18.00 per thousand. Plants 1 1-4 to 2 inches, 10 cents each, \$1.00 per dozen. Larger plants, clusters, etc., 20 cents each, \$2.00 per dozen. Plants with long central spines, choice large specimens, 25 cents each, \$2.50 per dozen.

OPUNTIA.

Prickly Pear.

These usually have flattened joints which are more or less spiny, are rapid growers, and great bloomers; and for making a permanent evergreen covering, as well as for massing, either alone or with other plants their use is rapidly extending. Many parks and estates are using them thus, and we hear much commendation and no complaint.

- O. ARENARIA. Small-jointed, having a rather compact, clustered habit of growth. Spines long and prominent, usually with dark tips, sometimes reddish brown, with lighter tips. Flowers yellow. Rare and distinct sort. 15 cents each, \$1.50 per dozen.
- O. ARBORESCENS. Candelabrum Cactus. A distinct sort with dark green cylindrical joints, and gray spines. Flowers purple, fruit yellow. 25 cents, 50 cents and \$1.00 each.
- O. CAMANCHICA. Joints round, purple tinged, upper half very spiny, flowers yellow, fruit large, pear shaped, reddish purple. Spines mostly light colored, contrasting well with the comparatively dark joints. 15 cents each, \$1.50 per dozen.
- O. FRAGILIS. A curious sort with small spiny joints, which break off easily, hence the name. It is a neat little plant, making a strong contrast when planted with the larger jointed species. 10 cents, 75 cents per dozen.
- O. MESACANTHA GREENII. Joints large, dark green, round, with a few grayish spines, mostly near the edge: very free bloomer, fruit bright purple, remaining usually upon the plant till winter. 15 cents, \$1.00 per dozen.
- O. MESACANTHA MACRORHIZA. Joints smaller, oblong, nearly spineless, usually spreading flat upon the ground: light green. Flowers light yellow, fruit dull brownish green: very free bloomer. The roots on old plants become much enlarged and tuber-like. 15 cents, \$1.00 per dozen.
- O. MESACANTHA CYMOCHILA. Joints obovate, very glaucous, upper half well supplied with very long and stout spines which are reddish brown usually beautifully mottled, and frequently more than two inches long. A most profuse bloomer, the yellow flowers followed by quantities of brilliant fruit. This is a favorite sort. 20 cents, \$2.00 per dozen.
- O. PHAEACANTHA MAJOR. This we consider the most beautiful of the Opuntias. The joints are very large, often 10 or 12 inches long, rather thin, heavy-

ily glaucous and usually with a very distinct purple tinge. The plant is a rapid grower and in time forms immense clumps, which are quite symmetrical, and are very conspicuous as well as highly ornamental. The flowers are exceedingly abundant, very deep yellow, smaller than those of the mesacantha group. Spines dark colored, rather short and stiff, distributed over the entire joint. Fruit crimson. 20 cents each, \$2.00 per dozen.

- O PHAEACANTHA x POLYCANTHA. A very interesting natural hybrid between these two distinct species, showing about equally the characters of both. A very beautiful plant and now offered for the first time. Good plants \$1.00 each.
- O. POLYCANTHA. This is the hedgehog among Opuntias, with its long stiff spines so thickly set as to hide parts of the plant. The spines are gray, yellow, light brown and dark purplish brown, often several shades occurring on the same plant. The spines vary much in length and arrangement, so that no two plants are alike. Flowers yellow or orange, fruit spiny. 15 cents, \$1.00 per dozen.
- O. POLYCANTHA ALBISPINA. A variety with pure white spines which are usually slender, and those on the old joints frequently become much elongated and curled or twisted. Flowers light yellow. A very handsome plant. 15 cents each, \$1.00 per dozen.

SPECIAL ANNOUNCEMENT.

To European correspondents. We have completed arrangements with Mr. Frantz DeLaet, Contich-lez-Anvers, Belgium, to handle all our kinds of Hardy Cacti. In view of the high rate of transportation on small shipments it will in most cases be cheaper and more expeditious to obtain these plants directly from him.

Department of Public Works,
Pittsburg, Pa.,

Mr. D. M. Andrews, Boulder, Colo.:

Dear Sir:—The Cacti that we got from you last winter have done so well that I must come to you again. * * *

Very Sincerely Yours,
WILLIAM FALCONER,
Superintendent.
Heaton Mersey, England, Jan. 12, 1900.

Dear Sir:

This is to wish you a very happy, peaceful and prosperous New Year. The Cacti I had from you last year were very satisfactory, and I would like this year's catalogue. * * *

Yours truly,
C. D.
Buffalo Botanic Garden, Nov. 26th.

Mr. D. M. Andrews:

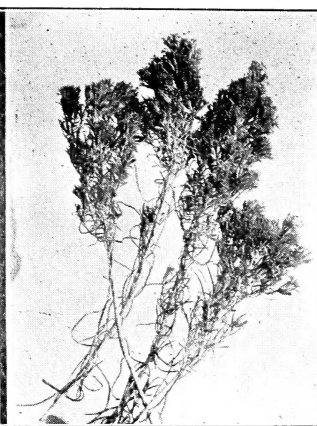
My Dear Sir:—The Cacti came today in good order. The Echinocactus Simpsonis are beauties.

It is now too late of course to think of anything more this fall, but I hope you will be able to help us to some more of your native plants in the *spring.

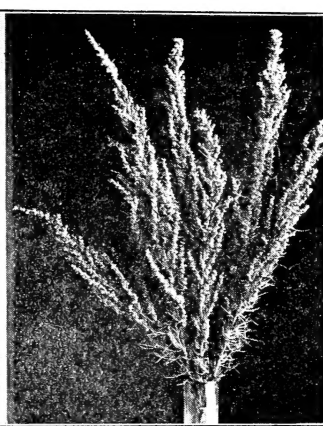
Very truly yours,
JOHN F. COWELL, Director.



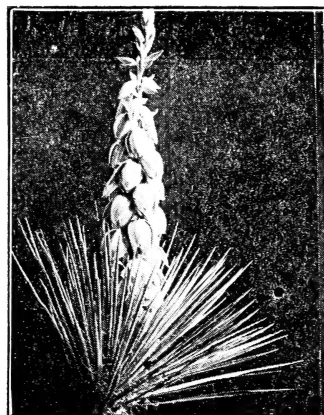
ABRONIA FRAGANS



BIGELOVIA GRAVEOLENS



ARTEMISIA FILIFOLIA



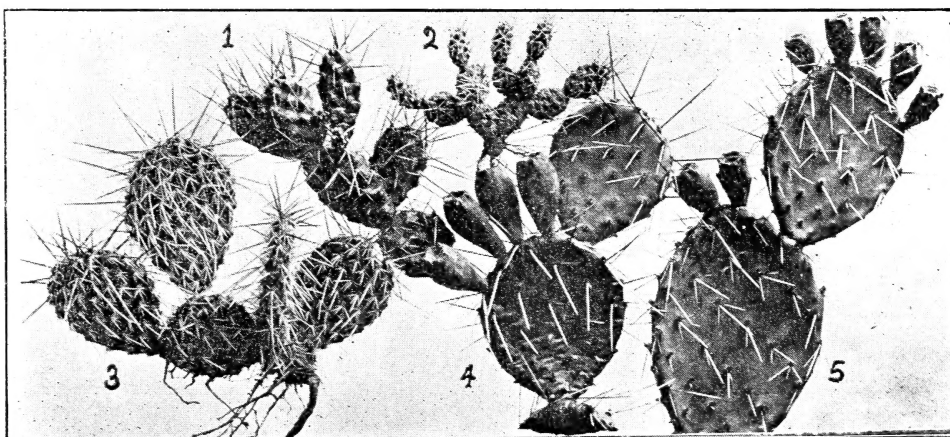
YUCCA ANGUSTIFOLIA



BERBERIS REPENS



CLEMATIS DOUGLASII



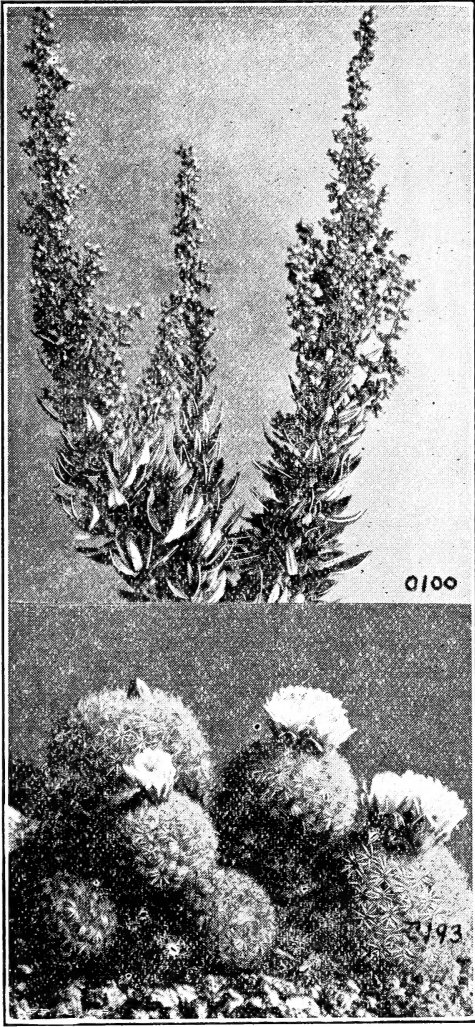
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2 OPUNTIA FRAGILIS

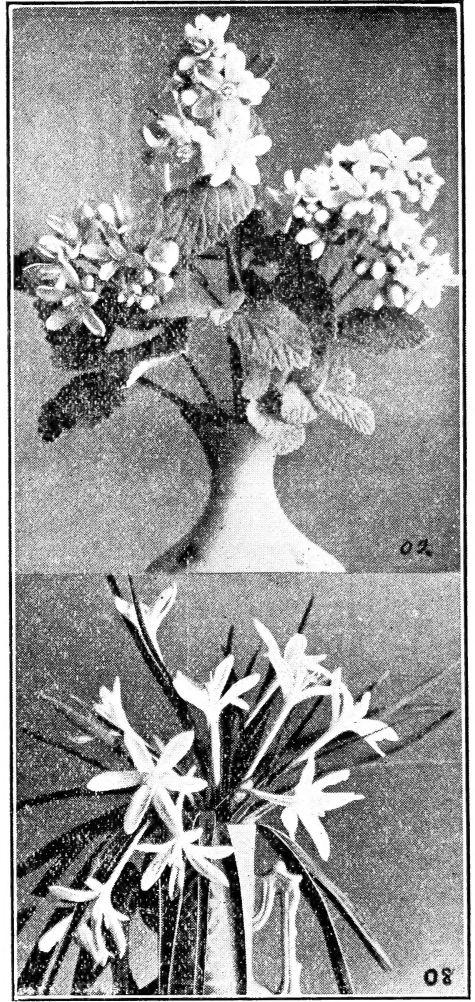
3 OPUNTIA POLYCANTHA

4 OPUNTIA MESACANTHA

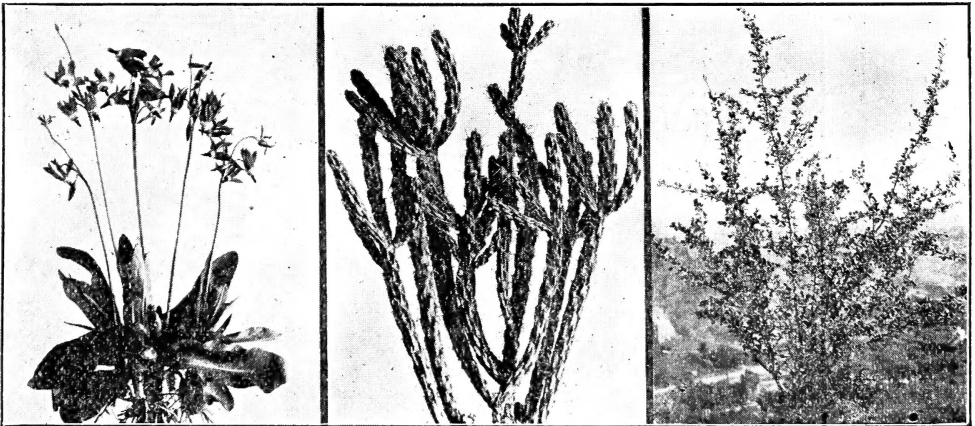
5 OPUNTIA PHAEACANTHA MAJOR



0100. *Artemisia gnaphaloides*.
c193. *Echinocactus Simpsoni*.



02. *Jamesia Americana*.
98. *Leucocrinum Montanum*.



Dodecatheon Pauciflorum.

Opuntia Arborescens.

Cercocarpus Parvifolius.

COLORADO WILD FLOWERS.



AND OTHER HARDY PLANTS.

This list includes the very best of the "Native Colorado Plants" and a few especially good sorts from other sources. Of many of these we offer both seeds and plants, but always recommend plants in preference to seeds, both for quickness and certainty of results. Those who are willing to take a little time and patience will however find much pleasure in growing our Colorado Flowers from seed. The usual rules for planting, watering, etc., will apply. All are perennial unless otherwise stated.

ABRONIA.

- A. FRAGRANS. Sweet Abronia. 1 foot. Flowers white, in large umbels, so fragrant, especially at evening, that one plant will perfume a garden. Sandy soil, blooms all summer. Seed 10 cents.
- A. MICRANTHA. Pink Abronia. Annual; flowers pink, fruit conspicuous on account of its broad membranous wings, which are beautifully colored. Seed 10 cents.

ACONITUM.

- A. AUTUMNALE. Aconite. 3 feet. A late blooming sort with large purplish blue flowers. 10 cents each, \$1.00 per dozen.
- A. FISCHERI. 2 feet. Large bright blue flowers, shining foliage, very ornamental. 10 cents, \$1.00 per dozen.

ANEMONE.

- A. GLOBOSA. 1 foot. A fine new sort with showy deep red flowers on slender stems; foliage laciniate, silky. For the shaded corner. 15 cents, \$1.50 per dozen; seed 10 cents.
- A. PATENS. VAR. NUTTALLIANA. 6 inches. One of the earliest flowers. Blossoms large, crocus-shaped, light purple, partly enclosed by the woody involucre, and followed later by the laciniate foliage and plumes of seed. Sandy soil, shade. 10 cents, 75 cents per dozen; seed 10 cents.
- A. PATENS NUTT. ALBA. Form with white flowers. Seed 15 cents.

AQUILEGIA

- A. CHRYSANTHA. Yellow Columbine. 3 feet. Beautiful long-spurred yellow flowers, blooms all summer. 10 cents, \$1.00 per dozen. Seed 10 cents.
- A. CHRYSANTHA HYBRIDA. 2-3 feet. An excellent strain of long-spurred hybrids, showing many of the characters of chrysantha but varying in color to rose, cream purple, scarlet and innumerable tints and variations. 20 cents each, \$2.00 per dozen. Seed 25 cents.

- A. **COERULEA.** Rocky Mountain Columbine. 2 feet. This is the Queen of Columbines and is so much appreciated in Colorado that it has been made the state flower. The blooms are very large, blue and white, long-spurred, and the plant is in every way highly decorative. Plant in a partly shaded spot, in good mellow loam, with some leaf mold if obtainable, and protect with a light mulch in fall. The seed we offer is true wild stock from the mountains and our plants are grown from this. It hybridizes so easily that seed grown near other sorts would be badly mixed. 10 cents each. \$1.00 per dozen; seed 10 cents.

ARGEMONE.

- A. **HISPIDA.** Colorado Silver Poppy. 2 feet. Beautiful glaucous foliage, and satiny white flowers 4 inches across, with golden yellow centers. Sandy or well drained soil. Seed 10 cents.
- A. **PLATYCERAS.** Prickly Poppy. 3 feet. Handsome foliage and immense flowers, all summer. Seed 10 cents.

ARTEMISIA.

- A. **ABSINTHIUM.** Wormwood. 3 feet. Useful and ornamental. Most of the Artemisias possess an aromatic odor which is often pleasant. They are all valuable for their ornamental foliage which some of them retain nearly all winter. They should be planted in masses or groups, either alone or among shrubbery, etc. 25 cents, seed 10 cents.
- A. **ARBUSCULA.** Sage Brush. 3 feet. An interesting shrubby sort, nearly evergreen, foliage whitish. Seed 10 cents.
- A. **CANADENSIS.** Canada Sage. 2 feet. Slender sort with green foliage. Seed 10 cents.
- A. **FILIFOLIA.** Thread-leaved Sage Brush. Feathery foliage and flower sprays having a delicate purplish tint not unlike the Smoke Tree. Seed 10 cents.
- A. **FRIGIDA.** Mountain Sage. 1 foot. Fine silvery moss-like foliage, nearly evergreen, useful for edgings, for covering dry stony ground, for planting among spring or summer blooming bulbs and shrubbery and for medicine. It stands drought, poor soil and neglect to a remarkable degree. 2 for 10 cents, 50 cents per dozen; seed 10 cents.
- A. **GNAPHALOIDES** Silver Sage. 1 foot. Broad silvery-white foliage, long graceful sprays of silvery bead-like flower heads, and the same characteristics of hardiness as the last, make this plant desirable in every collection. 10 cents, 75 cents per dozen; seed 10 cents.
- A. **LUDOVICIANA** Cut-leaved Silver Sage. 1 foot. Differing from the last in foliage which is somewhat lacinate. 10 cents, 75 cents per dozen; seed 10 cents.

ASCLEPIAS.

- A. **SPECIOSA.** 3 feet. Large oval leaves which turn bright yellow in autumn; flowers purple, in large umbels, very fragrant; pods showy. 15 cents, \$1.50 per dozen; seed 10 cents.

ASPIDIUM.

- A. **FELIX-MAS.** Male Fern. 2 feet. One of the most decorative of hardy ferns, very easily grown, and succeeds with but little moisture. Plant in partial shade in any good mellow soil. 10 and 15 cents each, \$1.00 and \$1.50 per dozen.

ASTER.

- A. COMMUTATUS. 1 1-2 feet. Crowded racemes of rather large white flowers; any soil, late. 10 cents, \$1.00 per dozen; seed 10 cents.
- A. ERICIFOLIUS. A very unique new species with moss-like foliage. Only 3—6 inches tall but blooms so profusely as to carpet the ground with snowy white. June. 15 cents, \$1.00 per dozen.
- A. FENDLERI. Dwarf species, not exceeding one foot, producing an abundance of rather large flowers of a peculiar tint of rosy-lilac, very pleasing. 15 cents, \$1.00 per dozen; seed 10 cents.
- A. FOLIACEUS. Leafy Aster. 2 feet. A distinct, large flowered sort, very early and a robust grower. 15 cents, \$1.50 per dozen; seed 10 cents.
- A. LAEVIS. Tall, large blue flowers, late. 10 cents, \$1.00 per dozen; seed 10 cents.
- A. PORTERI. Slender sort, usually not more than one foot tall, producing large panicles of medium-sized many rayed flowers of purest white. Blooms early, and is very neat for cutting. 10 cents, 75 cents per dozen; seed 10 cents.

ASTRAGALUS.

An interesting genus of Leguminous plants having showy flowers and ornamental foliage. The following are all perennial and very distinct sorts. We offer seeds only, at 10 cents per packet.

- A. CARYOCARPUS. Trailing; heads of white and violet flowers, followed by curious plum-shaped pods.
- A. DRUMMONDII. 1 foot. Silky pinnate foliage, long racemes of white pea-shaped flowers, very ornamental.
- A. PICTUS. 6 inches. Slender branching sort, with numerous inflated pods an inch long, which are beautifully speckled and mottled so that they have much the appearance of bird's eggs.
- A. RACEMOSUS. 1 foot. Foliage glaucous, pinnate, flowers white.
- A. SHORTIANUS. 6 inches. Leaves pinnate very silky, flowers purple, pods showy.

BIGELOVIA.

- B. GRAVEOLENS. Golden Feather, Plumed Golden Rod. 2—3 feet. Very unique, a shrubby plant, yet a near relative of the golden rod which it resembles somewhat, though it is a far more elegant plant. The rich golden yellow plumes are produced upon long stems and are desirable for cutting as they remain fresh a long time, are fragrant, and make a showy decoration. The plant is easily grown, prefers a dry sunny location, but will grow almost anywhere. The branches remain green all winter. Fine large plants that will bloom the first season. 25 cents each, \$2.00 per dozen; seed 25 cents.
- B. ALBICAULIS. 8 inches. This is very similar to the last except that is much smaller. It will on that account be more suitable for some places but on the whole is not so decorative. Useful especially for edgings and low borders. 15 cents, \$1.50 per dozen; seed 15 cents.

BRICKELLIA.

- B. GRANDIFLORA. Large-flowered Tasselwort. 2 feet. A plant very distinct in appearance from any other. Foliage broad, coarsely dentate, flowers arranged in a loose panicle, the heads large, tassel-shaped, and gracefully droop-

ing, light buff color. Any good friable soil, partial shade. 15 cents, \$1.50 per dozen; seed 10 cents.

CACALIA.

- C. TUBEROSA. 3—4 feet. A rare plant with broad leathery foliage, throwing up several tall stems, each producing an immense cyme-like panicle of white involucred composite flowers. The whole plant is smooth and neat in appearance; easily grown. 25 cents each, \$2.50 per dozen; seed 15 cents.

CALIRRHOE.

- C. INVOLUCRATA Trailer, large crimson flowers, very showy, a constant bloomer. 15 cents; seed 10 cents.

CHEILANTHES.

- C. FENDLERI. Gold Fern 6 inches. Evergreen, grows in dry gravelly soil among rocks. 15 cents, \$1.00 per dozen.

CLEMATIS.

- C. COCCINEA. Scarlet Leather Flower. Climber, blooms all summer. 15 cents, \$1.50 per dozen.
 C. DAVIDIANA. 2 feet. Erect bushy plant, blue flowers, handsome. 35 cents.
 C. DOUGLASII. 1 foot, a neat bushy plant, elegant foliage, sending up many stems, each bearing a large nodding blue flower followed by a white feathery seed-ball. Very easily grown. 15 cents, \$1.00 per dozen.
 C. FREMONTII. 1 foot. Foliage very distinct, broad and leathery, flowers various shades of blue; very interesting sort. 15 cents, \$1.00 per dozen.
 C. INTEGRIFOLIA. 1 foot. Slender, leaves entire, flowers very large, blue, very handsome; rare. 50 cents.
 C. LIGUSTICIFOLIA. Climber, white flowers, rapid grower. 20 cents, \$2.00 per dozen.
 C. VERTICILLARIS. Trailer or low climber, flowers clear blue, about 3 inches across, usually with some petaloid stamens, blooms very early, April or May, and is one of the most desirable sorts; should have a shaded position in good rich soil. Our plants are magnificent heavy clumps which will give quick results. 50 cents each, \$5.00 per dozen.

CREPIS.

- C. GRANDIFLORA. Golden Hawksbeard. 3 feet. Beautiful ligulate yellow flowers, appearing perfectly double, nearly 3 inches across. Foliage massive, beautifully lobed. Easily grown, any soil. 25 cents.

DELPHINIUM.

- D. AZUREUM ALBIDUM. White Larkspur. 3 feet. Tall spikes of white flowers, neat foliage, distinct habit. 10 cents, \$1.00 per dozen; seed 10 cents.
 D. BICOLOR. 1 foot. A very early sort, flowers deep blue, large and showy. The tubers are small and take but little room and may be planted among ferns or other plants which require shade and light rich soil. After blooming the tops disappear and the tubers remain dormant until the following spring. 2 for 15 cents, 50 cents per dozen; seed 10 cents.
 D. SCOPULORUM. Tall Blue Larkspur. 3 feet. A large showy sort, rich Gentian-blue flowers in long spikes, rarely light blue, pink, or nearly white. This

and the White Larkspur will grow in very dry places. 15 cents, \$1.00 per dozen.

- D. FORMOSUM. 3 feet. A very desirable, large flowered blue Larkspur, later in season than any of the above sorts. 10 cents, \$1.00 per dozen.

DODECATHEON.

- D. PAUCIFLORUM. Shooting Star, Cupid's Dart. 1 foot. An exceedingly pretty species, somewhat smaller than the eastern plant, and otherwise distinct. The flowers are a deep clear rose, with purplish brown tips, foliage smooth and a delightful shade of green. This may be treated the same as Delphinium bicolor. Clumps 10 cents, \$1.00 per dozen; seed 10 cents. Divided roots \$2.00 per 100.

ECHINACEA.

- E. PURPUREA. Purple coneflower, 3—4 feet. A magnificent decorative plant. The flower heads are produced upon tall stems, and have brown cone-shaped centers with long purple or rose colored rays; remains a long time in bloom and the heads last well when cut. 15 cents, \$1.50 per dozen; seed 10 cents.

ERIOGONUM.

- E. UMBELLATUM. Umbrella Flower. 1 foot. So called from the beautiful umbrella-shaped umbels of small yellow flowers, which may be dried and kept for winter bouquets, retaining their color and shape all winter. 10 cents, \$1.00 per dozen; seed 10 cents.
- E. CAMPANULATUM. 1 foot. Sprays of small yellow flowers, rare. 25 cents each.

ERYNGIUM.

- E. YUCCAFOLIUM. Sea Holly. 3—4 feet. A distinct and attractive plant, forming showy clumps, having a rich tropical effect, yet entirely hardy, and succeeds almost anywhere. Extra strong plants 15 cents, \$1.00 per dozen; seed 10 cents.

FRASERA.

- F. SPECIOSA. Columbo. Monument Plant. 3—4 feet. A showy biennial or triennial, sending up a massive thyrsoid panicle of curiously spotted flowers an inch in diameter; rich dry soil. 15 cents, \$1.00 per dozen; seed 15 cents.

GENTIANA.

- G. ANDREWSII. Closed Gentian. 1 foot. A very handsome plant with blue bud-like flowers 2 inches long; easily grown. 15 cents, \$1.50 per dozen; seed 10 cents.
- G. ALBA. Snowy Gentian. 1—2 feet. A robust, handsome, easily grown sort, with large snow-white flowers; rare. Seed 25 cents.
- G. BIGELOVII. Clustered Blue Gentian. 6—9 inches. Flowers blue, an inch long, numerous, neat plant. 10 cents, 75 cents per dozen; seed 10 cents.
- G. SAPONARIA. 1 foot. Flowers light blue, showy. Seed 10 cents.

GERANIUM.

- G. FREMONTII. Wild Cranesbill. 1 foot. Showy light purple flowers, an inch across, all summer. 10 cents, 75 cents per dozen; seed 10 cents.
- G. PRATENSIS. 1 foot. Flowers blue. 20 cents.
- G. PRATENSIS ALBA. Flowers pure white. 30 cents.

- G. RICHARDSONII ALBA. White Cranesbill. 2 feet. Flowers white with purple veins, very handsome, blooms all summer, easily grown. 15 cents, \$1.00 per dozen; seed 10 cents.
- G. SANGUINEUM. 6 inches. Flowers red, very showy, desirable. 10 cents, 75 cents per dozen.

GILIA.

- G. AGGREGATA ALBA. 2 feet. A charming biennial, with showy Phlox-like flowers. Seed 10 cents.
- G. PUNGENS. A dwarf perennial with creamy white flowers. Seed 10 cents.

HELIANHELLA.

- H. QUINQUENERVIS. 3 feet. Large, early, radiate flowers, roots tuberous; a desirable plant and not of a weedy character. 15 cents, \$1.00 per dozen; seed 10 cents.

HELIANTHUS.

- H. DECAPETALUS. 2 1-2 feet. A good sort which makes large clumps, but does not spread badly from the root; flowers large, light yellow. 10 cents, 75 cents per dozen.
- H. LAETIFLORUS. 4—5 feet. Large yellow semi-double flowers, spreads rapidly. 10 cents, 50 cents per dozen.
- H. MAXIMILIANI. 4—6 feet. Heads very large, rays bright yellow, inflorescence somewhat racemose. A very handsome non-spreading sort. 10 cents, \$1.00 per dozen.
- H. PUMILUS. Dwarf Sunflower. 1 1-2 feet. Very neat long blooming, non-spreading sort with large yellow flowers. 10 cents, \$1.00 per dozen; seed 10 cents.

HEUCHERA.

- H. BRACTEATA. Alum Root. 9 inches. A neat little evergreen plant sending up slender stems and short spikes of yellowish-white flowers. Shady places on rocks. 15 cents, \$1.00 per dozen.
- H. PARVIFOLIA. 1 foot. Small evergreen foliage. 10 cents, 75 cents per dozen.
- H. SANGUINEA. Crimson Bells. 1 foot. One of the best of scarlet flowered plants. Makes a good long blooming border plant and the sprays of crimson-scarlet flowers are very desirable for cutting. 10 cents, \$1.00 per dozen.
- H. SANGUINEA ALBA. White Alum Root. 1 1-2 feet. Said to be a variety of the last, but is probably a distinct species. It has white flowers and ornamental foliage, very desirable plant. 15 cents, \$1.00 per dozen.

HYDROPHYLLUM.

- H. OCCIDENTALE. Water Leaf. 1 foot. This is a plant that can be depended upon to give plenty of ornamental pinnate foliage, in dry and very shady places. The flowers also are quite showy. 10 cents, 75 cents per dozen.

IRIS.

- I. MISSOURIENSIS Western Blueflag. 1 foot. Wet or dry soil. 10 cents, 75 cents per dozen.

LEUCOCRINUM.

- L. MONTANUM. Sand Lily. An exquisite liliaceous plant producing a long succession of very fragrant, crystal-white flowers at the surface of the ground.

As many as fifty buds and blossoms have been counted on a single clump at one time. Is easily grown, prefers a warm sunny spot, sandy soil; entirely hardy. 10 cents, 75 cents per dozen.

LEPACHYS.

- L. PULCHERRIMA HYBRIDA. Cone Flower. 2 feet. A fine strain which produces in the greatest profusion, large flowers with brown cone shaped centers and broad reflexed rays. The rays of some are yellow while others are orange, yellowish brown and maroon; many are beautifully striped. A perennial, but will bloom first season from seed, continuing to bloom from early summer till frost. Seed 15 cents.

LIATRIS.

- L. PUNCTATA. Gay Feather. 1 foot. A choice dwarf, rather early species, with pink-purple heads which extend nearly the whole length of the stem. It is so easily grown and so useful on account of its small size that it should be used liberally. 10 cents, 75 cents per dozen.
- L. SCARIOSA (Colorado Variety) Blazing Star. 2 feet. Very early, heads very large and showy; one of the most beautiful sorts. 10 cents, \$1.00 per dozen.

LITHOSPERMUM.

- L. LONGIFLORUM. Puccoon. 1 foot. Stem erect, branched, foliage whitish, flowers long-tubular, the lobes lemon-yellow, fringed. Seed 10 cents.
- L. MULTIFLORUM. Panicked Puccoon. 1 1-2 feet. Produces large paniculate clusters of showy Phlox-like flowers, of a beautiful golden yellow, continuing for a long season. Old plants send up a great number of flowering stems, producing thousands of brilliant flowers in a season. A deep well drained soil with slight protection from the sun will suit them best. 15 cents, \$1.00 per dozen; seed 10 cents.

MALVASTRUM.

- M. COCCINEUM. Scarlet Mallow. 6 inches. A neat little plant which will thrive even in poor, dry soil, but which does splendidly in cultivation, having handsomely lobed, hoary foliage, and racemes of bright scarlet flowers which are very showy and continue a long time. 10 cents, 75 cents per dozen.

MERTENSIA.

- M. LANCEOLATA. Lungwort. 1 foot. Blooms early, and a long time, flowers blue, very showy, bell-shaped. Dry or well drained soil. 25 cents, \$2.00 per dozen.
- M. SIBERICA. 3 feet. This sort will revel in a moist shady spot, is a most luxuriant grower, foliage massive, smooth and glaucous, each stem terminating in a loose panicle of nodding blue flowers; blooms nearly all summer and succeeds so well even with the most ordinary garden treatment that no one should be without it. Plants that will bloom first summer, 15 cents, \$1.50 per dozen; extra large clumps 35 cents, 3 for \$1.00.

OENOTHERA.

- OE. ALBICAULIS. Tall Evening Primrose. 3 feet. Flowers white, showy. 15 cents, \$1.00 per dozen; seed 10 cents.
- OE. BRACHYCARPA. Yellow E. Primrose. 6 inches. Flowers immense, 4 or

5 inches across, bright yellow, changing to scarlet. Partial shade. 15 cents, \$1.00 per dozen.

OE. CAESPITOSA. White E. Primrose. 6 inches. Quite similar to the last except the color of the magnificent flowers which are white, changing to pink. Prefers a warm sandy soil. 15 cents, \$1.00 per dozen.

OE. SERRULATA. 1 foot. Flowers yellow, smaller, but exceedingly abundant. Sandy soil. 15 cents, \$1.00 per dozen.

PENTSTEMON.

The following sorts are all natives of Colorado and are entirely hardy. All do best in a rather light warm soil, but will adapt themselves to most ordinary garden conditions. A very showy group of plants which should be more extensively grown.

P. ACUMINATUS. 1 foot. Large pale lilac flowers, smooth glaucous foliage, one of the best. 10 cents, 75 cents per dozen; seed 10 cents.

P. BARBATUS. Scarlet P. 4 feet. Fiery-scarlet flowers in tall open racemes; plant in clumps. 10 cents, \$1.00 per dozen; and 10 cents.

P. COERULEUS. Blue P. 9 inches. A neat dwarf sort, with dense racemes of lovely sky-blue flowers of unusual clearness and brilliancy. 15 cents, \$1.00 per dozen; seed 10 cents.

P. GLABER. 2—3 feet. Tall robust plant, producing a long open thyrsus of very large rich purple flowers. This is evidently distinct from the so-called P. glaber of some European catalogues. 10 cents, \$1.00 per dozen; seed 10 cents.

P. GLABER VAR. ALPINUS. 1 foot. An exceedingly robust variety, of neat compact habit, with flowers very large and showy, a deep azure blue of a remarkably pure quality; one of the very best of blue flowering plants. We believe this is now offered for the first time. 25 cents, \$2.50 per dozen.

P. GRACILIS. 1 foot. A slender sort for moist places, flowers showy, pale lavender. 15 cents, \$1.50 per dozen.

P. HUMILIS. 8 inches. Flowers dark blue. 10 cents, 75 cents per dozen; seed 10 cents.

PHLOX.

P. DIVARICATA. 9 inches. Early, light blue flowers, shade. 10 cents, 75 cents per dozen.

P. DOUGLASH. Creeping, flowers abundant, pink, lavender, etc. Sandy soil. 10 cents, \$1.00 per dozen.

P. GLABERRIMA. 1 1-2 feet. A distinct showy sort, flowers large and fragrant, in large panicles, rose-purple. 15 cents, \$1.00 per dozen.

P. MACULATA. 3 feet. Large panicles of purple flowers, spotted stems. 10 cents, \$1.00 per dozen.

P. PILOSA. 1 foot. Flowers in light purple tints, often with darker eye. 10 cents, 75 cents per dozen.

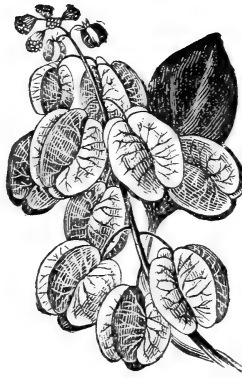
J. REPTANS. 1 foot. Very early, flowers large, pale violet, foliage glossy, nearly evergreen, extra good. 10 cents, \$1.00 per dozen.

PHYSOSTEGIA.

P. VIRGINICA ALBA. White Lionsheart. 2 feet. Flowers pure white, produced all summer, excellent for cutting, and easy to grow. 10 cents, 75 cents per dozen; seed 10 cents.



Hardy Geranium.



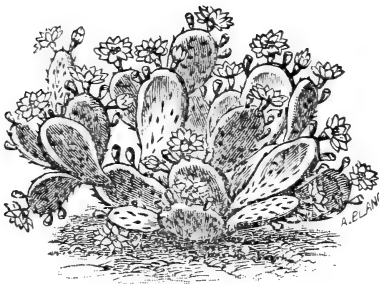
Rumex Venosus.



O. Missouriensis.



Anemone Patens Nutt.



Opuntia.



Echinocereus.



Aconitum Napellus.



Hardy Aster.



Argemone.



Anemone Sylvestris.



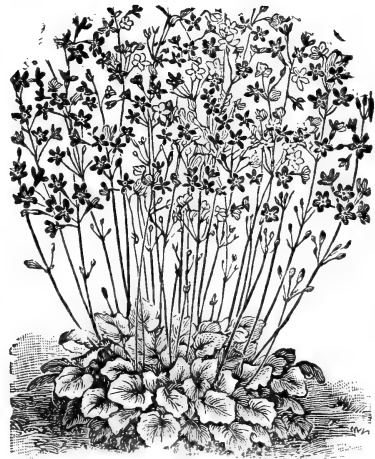
Aquilegia Coerulea.



Calirrhoe Involucrata.



Gentiana Acaulis.



Heuchera Sanguinea (Crimson Bells).

POTENTILLA.

- P. GLANDULOSA. 1 foot. Flowers large, bright yellow, a profuse bloomer, attractive foliage, thrives under any treatment, and will stand long continued drought. 10 cents, 75 cents per dozen. (See under shrubs).

RANUNCULUS.

- R. AFINIS. 6 inches. Showy yellow flowers, neat foliage. 15 cents.
 R. CARDIOPHYLLUS. 1 foot. Very handsome yellow flowers, ornamental foliage, neat appearance; rare. 25 cents.
 R. NUTTALLII. 6 inches. Very attractive rue-like foliage and small yellow flowers. None of these sorts have weed-like characters. 15 cents, \$1.00 per dozen.

RUELLIA.

- R. CILIOSA. 1 foot. Wild Petunia. A perfectly hardy species with large purplish Petunia-like flowers all summer; a handsome plant and easily grown. 15 cents, \$1.00 per dozen; seed 10 cents.

RUMEX.

- R. VENOSUS. 1 foot. A curious and remarkable plant of easy culture. The conspicuous heads of broadly winged seeds are the attractive feature. The wings are an inch or more broad, beautifully rose-tinted, and richly veined. It does not seem to spread at all by seeds, but it does increase quite rapidly from the root. It is not likely to become troublesome in a sandy soil, which is also best suited to the perfect development of the fruit. 15 cents, \$1.00 per dozen; seed 10 cents.

SCUTELLARIA.

- S. BRITTONI. Skullcap. 6 inches. Showy bright blue salvia-like flowers, sandy soil. Seed 15 cents.

SALVIA.

- S. AZUREA GRANDIFLORA. 3-4 feet. A distinct and very showy sort with narrow foliage, producing in early autumn a profusion of handsome clear azure-blue flowers on long slender stems well suited for cutting. 10 cents, \$1.00 per dozen.
 S. PITCHERI. 3 feet. Much like the last, except that flowers are a very deep rich blue, and later; both are entirely hardy. 25 cents, \$2.00 per dozen.

SIDALCEA.

- S. CANDIDA. 2 feet. A showy white flowered Mallow, of neat habit, and with handsome, smooth, lobed foliage; sun or shade, moist or dry soil. 10 cents, 75 cents per dozen.
 S. OREGANA. 3 feet. A larger sort with showy rose-purple flowers nearly all summer. A desirable plant. 15 cents, \$1.50 per dozen.

SOLIDAGO.

- S. RIGIDA. Goldenrod. 2 feet. Robust sort with large showy flower heads; does not spread from the root. 10 cents, 75 cents per dozen.
 S. RIGIDISCULA. 1 foot. Small non-spreading species, very neat, rare. 10 cents, 75 cents per dozen.
 S. SPECTABILIS. Showy Goldenrod. 2 1-2 feet. An exceedingly beautiful sort,

with large symmetrical panicles of very fragrant flowers. Succeeds with little care, and does not spread from the root, but forms dense individual clumps which are as dainty as they are magnificent. 10 cents, 75 cents per dozen; seed 10 cents.

THALICTRUM.

- T. CORNUTI. Meadow Rue. 4—6 feet. A large free growing and profuse blooming sort, which makes fine large individual clumps, beautiful both in leaf and flower. Flowers white, in large feathery sprays. Foliage resembling that of a Maidenhair Fern; ordinary garden soil. 15 cents, \$1.00 per dozen.

TRADESCANTIA.

- T. BREVICAULE. Dwarf Spider Lily. 6 inches. Flowers large and showy, blue, all summer, rare. 10 cents, 75 cents per dozen.
 T. BREVICAULE, FL. RUBRO Red Spider Lily. 6 inches. A rare form with red flowers, a constant bloomer, very desirable. 30 cents.
 T. OCCIDENTALE. 1 foot. Free blooming, rather dwarf. 10 cents, 75 cents per dozen.
 T. REFLEXA. Giant Spider Lily. 3 feet. Very robust, largest hardy sort, foliage and stems smooth, flowers large and showy, a continual bloomer, rare. 30 cents.

VIOLA.

- V. ADUNCA. A low branching sort with white flowers, tinged with purple outside. 10 cents, 75 cents per dozen; seed 10 cents.
 V. ALSOPHYLLA. White Marsh Violet. Although usually found in moist places it does well in ordinary soil if provided with some shade. Flowers rather large, pure white; rare sort and new. 20 cents, \$2.00 per dozen; seed 25 cents.
 V. CANADENSIS. One of the largest sorts, magnificent foliage and showy white or tinted flowers. 10 cents, 75 cents per dozen; seed 10 cents.
 V. COGNATA. A large species, with blue flowers and ample foliage; related to V. cuculata, but perhaps superior to that species. 10 cents, \$1.00 per dozen; seed 10 cents.
 V. DELPHINIFOLIA. Found in moist meadows, flowers blue, leaves finely laciniate, a fine plant in cultivation. 10 cents, 75 cents per dozen; seed 10 cents.
 V. NUTTALLII. Yellow Violet. Flowers bright yellow, tinged purple on the back, branches extending and blooming for a long time. A deep rooted sort which stands drought well. 15 cents, \$1.00 per dozen.
 V. PEDATIFIDA (?) Similar to V. Delphinifolia but is always found on high rocky ground; it has larger flowers which are lighter in color, open very broad and is certainly one of the choicest sorts; besides, it is one of the easiest to cultivate. We are inclined to believe that it will prove to be a new species. We have a fine stock. 10 cents, \$1.00 per dozen.

YUCCA.

- Y. ANGUSTIFOLIA. Narrow-leaved Yucca. 4 feet. A magnificent evergreen plant quite distinct from the better known Y. Filamentosa. It is well represented by our cover illustration. This sort has been rigidly tested for hardiness and general utility and has received the highest commendations. It thrives in almost any soil from sand to a stiff clay, is at home on the desert plains and also in the mountains, and grows naturally as far north as South Dakota. Its ornamental value is unquestioned. 15 cents each, \$1.50 per dozen.

COLORADO TREES AND SHRUBS.



ACER.

- ✓ A. GLABRUM, Rocky Mountain Maple. A large shrub, of compact twiggy growth, small sharply cut foliage, makes a fine symmetrical specimen for the lawn for which it is perhaps only excelled by the Japanese Maples. This however is entirely hardy and is better adapted to a dry and variable climate. We offer extra fine stock 3—4 feet, 25 cents, \$2.50 per dozen; smaller size for mailing, 15 cents, \$1.50 per dozen.

ALNUS.

- ✓ A. INCANUS VIRESCENS. Alder. A large shrub, suitable for wet or ordinary situations. 3 to 4 feet. 25 cents, \$2.00 per dozen.

AMORPHA.

- ✓ A. FRAGRANS. Indigo Shrub. Ornamental foliage, spikes of purple flowers, 25 cents.
- ✓ A. CANESCENS. Lead Plant. Low half shrubby sort. silky foliage, fine. 15 cents, \$1.00 per doz.
- ✓ A. NANA. Dwarf Indigo Shrub. Seldom exceeding one foot, much branched, foliage very small, spikes of garnet-purple flowers, fragrant; a rare and very desirable shrub. 25 cents each, \$2.50 per dozen.

AMPELOPSIS

- A. VITACEAE. A trailing form of the Virginia Creeper with shining foliage, producing quantities of purple fruit. 20 cents, \$2.00 per dozen.

BETULA.

- ✓ B. OCCIDENTALIS. Black or Western Birch. A handsome shrub or small tree especially suited to the bank of stream or pond. 20 cents.

BERBERIS.

- B. REPENS. The so-called Oregon Grape of the eastern slope of the Rocky Mountains. It is said to be hardier than the Pacific coast sorts, from which it also differs in being more dwarf; in our experience never exceeding one foot. The foliage resembles that of the Holly, and is evergreen where not too much exposed. The flowers are in dense clusters, are very fragrant, deep golden yellow appearing very early, and are soon followed by the grape like clusters of bluish purple fruit. It is easily cultivated, preferring a rather light soil with some shade. 10 cents, 75 cents per dozen.

CERCOCARPUS.

- ✓ C. PARVIFOLIUS. Mountain Mahogany. A medium shrub, distinct and picturesque in appearance; although quite symmetrical, the branches seem more or less contorted, especially when covered with the curiously twisted and curled feathery achenes. The foliage is quite small, ornamental and nearly evergreen. Easily grown and desirable. 25 cents, \$2.00 per dozen.

JAMESIA.

- ✓ J. AMERICANA. Wild Mock Orange. A small shrub of very distinct habit, orange-like white flowers having a rich waxy texture and a most delightful fragrance. The foliage is velvety, distinctly veined, and whitish on the under side. Easily grown and blooms when very small. 20 cents, \$1.50 per dozen.

JUNIPERUS.

- J. SP. PLATTE RIVER CEDAR. A very compact, symmetrical sort, foliage acquiring a strong purplish tinge in winter. Extra fine stock 18—24 inches, very bushy, 35 to 50 cents, \$3.50 per dozen.
- J. ALPINA. Prostrate or creeping Juniper. A very useful and ornamental dwarf evergreen. 20 cents, \$1.50 per dozen.
- J. SCOPULORUM. Colorado Silver Cedar. 25 and 50 cents.

LONICERA.

- ✓ L. INVOLUCRATA Bush Honeysuckle. An attractive shrub with yellow flowers and crimson berries enclosed in a purplish involucre. 25 cents.

POTENTILLA.

- ✓ P. FRUTICOSA TEUNIFOLIA. Shrubby Cinquefoil. A profuse blooming dwarf shrub, the flowers continuing all summer. 25 cents, \$2.00 per dozen.

PHYSOCARPUS

- ✓ P. OPULIFOLIA. Handsome shrub related to the Spiraeas, showy umbels of white flowers, profuse bloomer. 30 cents.
- ✓ P. TORREYI. Smaller, flowers usually rose tinted. 2 cents, \$2.00 per dozen.

RHUS.

- ✓ R. TRILOBATA. We consider this in every respect the most ornamental of the genus. It does not produce suckers from the root, the leaves are small, three-lobed, taking on beautiful autumn tints. The plant forms compact semi-prostrate masses and thrives in poor, dry soil where few other shrubs will grow. The rather large scarlet berries ripen in summer and remain until winter. Makes a fine plant in cultivation and responds quickly to good treatment. 25 cents, \$2.00 per doz.

TRIBES.

- R. CERNUUM. Flowering Currant. A profusion of pink flowers followed by brilliant scarlet fruit. 15 cents, \$1.00 per dozen.

ROSA.

- ✓ R. ARKANSANA. Prairie Rose. Very dwarf, pink flowers, showy scarlet fruit. 10 cents, 75 cents per doz.
- ✓ R. FENDLERI. Taller. Flowers and fruit abundant. 15 cents, \$1.00 per dozen.
- ✓ R. SAYI. New, exceptionally large and brilliant fruit. 20 cents.

RUBUS.

- ✓ R. DELICIOSUS. Flowering Thimble Berry. A medium size shrub having perennial branching canes, compact growth, large deeply lobed foliage, and magnificent snow-like flowers two inches across in greatest profusion; attractive at all seasons, succeeds in almost any situation. 15 cents, \$1.50 per dozen.

